

**I CLAIM:**

Sub 9

1. A putting improvement device, comprising:  
a representation of a green; and  
a plurality of putting indicia on the representation, wherein each of  
the putting indicia identifies a determined path along which a golf ball will travel  
when putted on the green.

2. The device of claim 1, wherein at least one of the putting  
indicia identifies a straight putt line.

3. The device of claim 1, wherein at least one of the putting  
indicia identifies a curved putt line.

Sub 27

4. The device of claim 1, wherein at least one of the putting  
indicia identifies a convergence band identifying a region within which putted golf  
balls will travel to a common terminal location.

5. The device of claim 1, wherein each path is determined by measuring the trajectory of a golf ball propelled along the green.

6. The device of claim 1, wherein each of the plurality of putting indicia identifies a path along which a golf ball will travel when putted on the green, and wherein each path includes end points beyond which the golf ball will deviate from the path.

7. The device of claim 1, wherein the device further includes an indicator of the average speed of the green.

Sub a3  
8. The device of claim 1, wherein the device further includes an indicator of the speed of the green when the plurality of putting indicia were measured.

9. The device of claim 1, wherein the representation includes elevation indicia depicting the topographical profile of the green.

10. The device of claim 1 adapted for use with a green having a predominant grain direction, wherein the device further includes an indicator of the predominant grain direction of the green.

11. The device of claim 1, wherein the putting indicia identify determined paths along which a golf ball will travel when putted on the green, regardless of the direction at which the golf ball is putted along the path.

12. The device of claim 1, wherein each of the putting indicia identifies a determined path along which a golf ball will travel when putted on the green, regardless of the position of the golf ball on the path when the ball is putted along the path.

Sub a<sup>47</sup>

13. A putting improvement device for a golf course having golf holes with greens, the device comprising:

a booklet containing representations of each of the greens, each representation corresponding to a respective one of the greens and including:

elevation indicia depicting the topographical profile of the corresponding green; and

a plurality of putting benchmarks disposed on the representation and identifying predetermined paths along which a golf ball will travel when putted on the corresponding green.

14. The device of claim 13, wherein the putting benchmarks are determined from measured paths of travel of one or more golf balls along the green.

15. The device of claim 13, wherein the putting benchmarks include end points beyond which a golf ball will deviate from the path identified by the corresponding benchmark.

09384931.082699

16. The device of claim 13, wherein the booklet includes an indicator of the speed of the green at the time the benchmarks were measured.

17. The device of claim 13, wherein at least one of the plurality of putting benchmarks extends along a non-linear path.

18. The device of claim 13, wherein at least one of the plurality of putting benchmarks defines a region on the representation that corresponds to a region on the green within which golf balls will travel to a common terminal location when putted.

009280" TEE68E60



22. The method of claim 20, wherein the device further includes a speed indicator identifying the relative speed at which a golf ball will travel on the green, and wherein the method further includes determining the path along which the golf ball should be putted responsive to the putting indicia, the elevation indicia and the speed indicator.

23. The method of claim 19, wherein the device includes depictions of landmarks adjacent the green and the identifying step includes orienting the device with respect to the green to align the landmarks adjacent the green with the depictions of the landmarks on the device.

09384931-082699

Sub a57

24. A method for improving putting on a green, comprising:  
determining a plurality of paths on the green along which a golf ball  
will travel when putted;  
creating a topographical representation of the green; and  
projecting the plurality of fixed paths on the topographical  
representation to form a putting improvement device.

25. The method of claim <sup>24</sup>24, wherein the method further includes  
repeating the determining, creating and projecting steps for a plurality of greens.

26. A putting improvement device constructed according to the  
method of claim <sup>24</sup>24.

27. A putting improvement device constructed according to the  
method of claim <sup>25</sup>25.



Sub a<sup>6</sup> 7

28. The method of claim 24, wherein the determining step includes propelling a golf ball along the green and studying the path of the ball to determine if the path meets selected criteria.

Sub B<sup>5</sup> 7

29. The method of claim 28, wherein the determining step further includes repeating the propelling and studying steps along a different path if the path fails to meet the selected criteria.

Sub a<sup>7</sup> 7

30. The method of claim 28, wherein the determining step further includes repeating the propelling and studying steps with a golf ball propelled with a different force if the path fails to meet the selected criteria.

31. The method of claim 28, wherein the determining step further includes repeating the propelling and studying steps with a golf ball propelled with greater force to determine terminal positions beyond which the path of the golf ball will fail to meet the selected criteria.

add a<sup>8</sup> 7